

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P846128

Luminaire Tested: **GLAN-SB1C-835-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846128
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1C-835-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 3500K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6207 lumens
Efficiency: N/A
Efficacy: 114.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

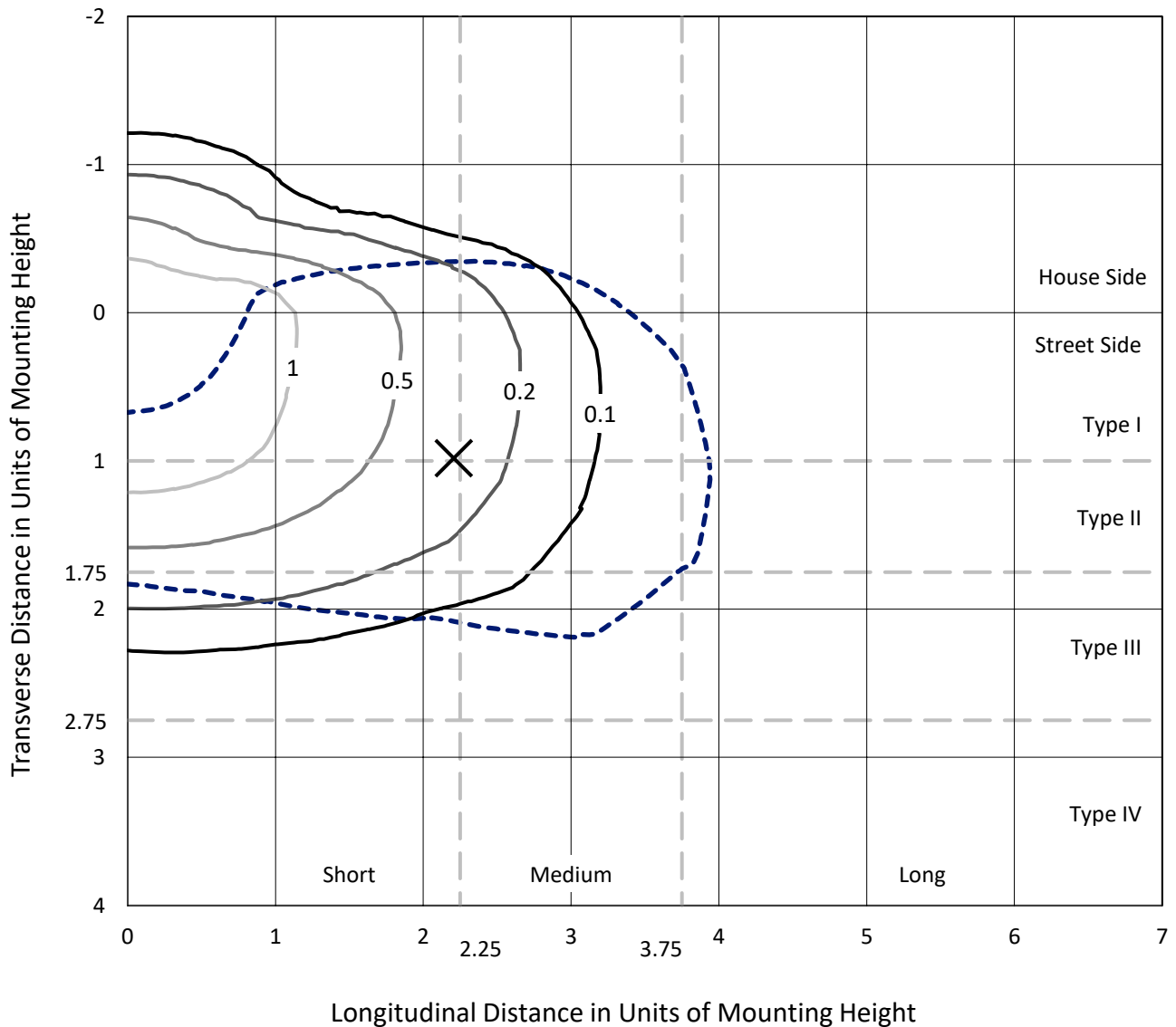
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

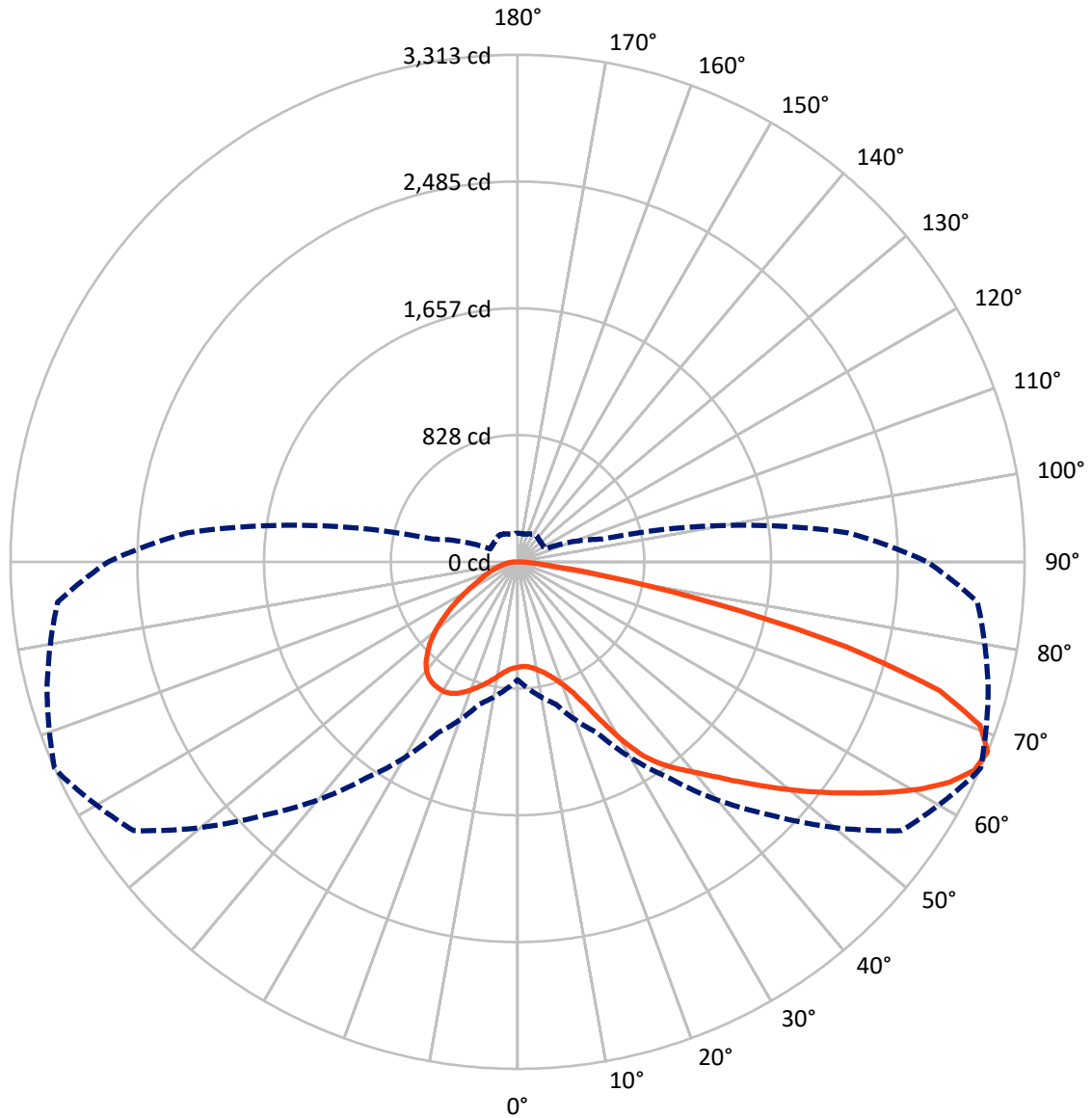
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1543.4	0.0	1543.4
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	4663.6	0.0	4663.6
	% Fixture	75.1	0.0	75.1
Total	Lumens	6207.0	0.0	6207.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.3	1.1
10°-20°	225.5	3.6
20°-30°	434.7	7.0
30°-40°	762.1	12.3
40°-50°	1133.0	18.3
50°-60°	1436.2	23.1
60°-70°	1405.3	22.6
70°-80°	670.3	10.8
80°-90°	71.6	1.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6207.0	100.0
0°-180°	6207.0	100.0

Coefficient of Utilization



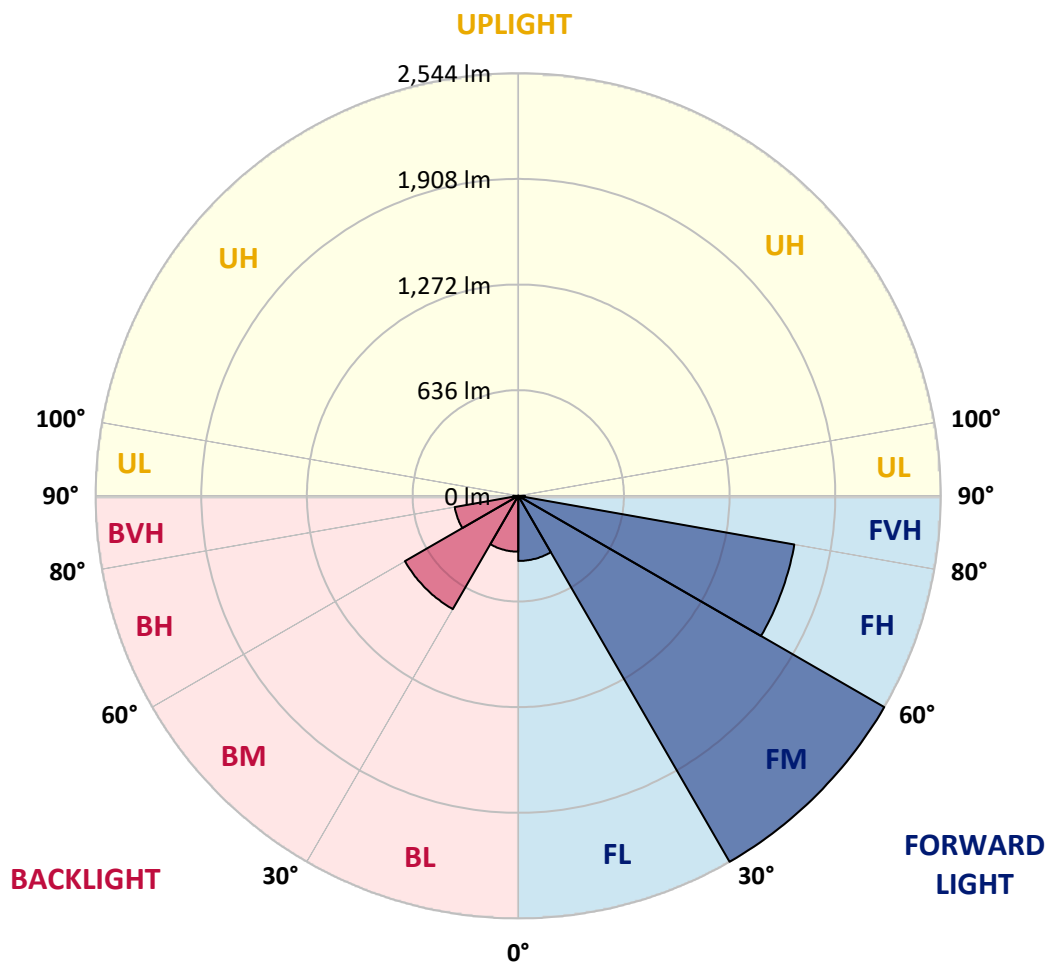
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	392.2	6.3			
FM (30°-60°)	2543.6	41.0			
FH (60°-80°)	1687.2	27.2			G1/1800
FVH (80°-90°)	40.6	0.7			G1/100
BL (0°-30°)	336.2	5.4	B1/500		
BM (30°-60°)	787.7	12.7	B1/1000		
BH (60°-80°)	388.4	6.3	B1/500		G1/500
BVH (80°-90°)	31.0	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	688.4	688.4	688.4	688.4	688.4	688.4	688.4	688.4	688.4	688.4
2.5°	681.3	685.2	684.2	682.6	682.2	682.9	683.9	684.9	684.5	686.2
5°	679.3	683.2	682.9	682.9	684.2	686.8	688.4	690.1	688.4	690.4
7.5°	680.6	683.5	684.9	686.2	689.4	694.3	698.2	701.8	699.9	702.1
10°	697.2	699.5	700.8	700.8	703.1	708.7	712.6	719.1	717.5	721.1
12.5°	727.6	729.9	729.9	728.6	730.2	733.8	735.1	742.2	739.3	745.2
15°	764.8	769.3	765.7	763.4	764.1	767.7	767.4	772.9	770.0	774.9
17.5°	805.8	811.7	805.8	805.5	804.2	808.1	808.5	813.3	808.1	811.7
20°	854.4	862.6	857.7	859.3	856.4	858.0	859.7	866.8	858.7	861.3
22.5°	922.9	932.7	927.5	933.7	931.7	930.4	930.1	942.8	930.1	931.1
25°	1022.7	1034.5	1025.3	1033.8	1033.8	1038.0	1042.9	1059.2	1038.0	1031.8
27.5°	1170.1	1181.9	1163.9	1169.1	1167.5	1177.9	1172.7	1213.2	1190.3	1180.2
30°	1347.5	1368.4	1334.5	1333.2	1331.5	1348.2	1355.7	1382.4	1359.3	1349.2
32.5°	1539.3	1561.1	1520.7	1509.0	1502.8	1512.9	1506.7	1528.2	1512.2	1496.6
35°	1742.1	1763.7	1725.2	1702.3	1677.6	1656.4	1634.2	1639.7	1624.7	1600.9
37.5°	1933.9	1973.3	1932.6	1908.1	1862.5	1821.1	1759.1	1733.3	1719.3	1697.5
40°	2129.2	2151.7	2120.8	2099.9	2050.3	1985.4	1886.3	1831.8	1812.9	1791.7
42.5°	2273.1	2294.6	2277.9	2263.6	2224.8	2149.5	2021.3	1953.1	1925.7	1901.9
45°	2387.2	2403.2	2392.7	2398.0	2381.3	2308.3	2161.2	2083.3	2054.9	2025.9
47.5°	2433.2	2450.1	2466.8	2497.7	2526.1	2472.3	2311.5	2224.1	2194.1	2164.5
50°	2428.0	2445.2	2493.5	2559.4	2647.4	2629.5	2470.0	2374.2	2346.4	2312.5
52.5°	2386.2	2405.8	2467.7	2577.3	2717.6	2747.2	2631.5	2529.1	2503.0	2462.5
55°	2276.6	2288.4	2381.3	2536.6	2734.2	2829.4	2789.6	2694.1	2668.0	2611.6
57.5°	2073.5	2090.4	2225.8	2426.7	2692.4	2885.2	2928.6	2867.6	2842.5	2761.3
60°	1808.3	1835.4	1990.3	2242.1	2586.1	2884.9	3054.8	3038.1	3017.3	2908.7
62.5°	1508.3	1539.6	1688.6	1981.2	2400.2	2803.0	3133.7	3181.0	3170.2	3044.7
65°	1158.4	1179.9	1328.3	1643.6	2111.0	2627.2	3142.8	3278.5	3280.4	3148.0
67.5°	771.3	833.2	962.1	1233.4	1723.5	2339.9	3062.6	3294.5	3313.4	3183.6
70°	376.3	457.9	584.1	801.6	1233.4	1899.3	2852.9	3163.4	3205.4	3079.9
72.5°	156.2	182.6	251.4	395.6	708.0	1281.6	2431.5	2807.9	2885.8	2729.0
75°	105.3	114.1	143.8	202.8	322.5	632.0	1753.5	2093.7	2219.2	2061.1
77.5°	81.2	86.7	104.7	141.9	191.8	239.0	938.6	1261.8	1326.7	1228.2
80°	63.9	68.2	78.3	103.4	136.0	127.8	319.9	571.7	609.2	511.0
82.5°	55.4	57.1	56.1	70.1	90.3	74.7	105.0	211.0	232.8	168.9
85°	40.1	44.7	46.6	43.4	47.9	37.8	43.0	74.7	82.2	73.4
87.5°	16.3	24.1	29.7	28.0	17.6	10.8	13.4	21.9	25.1	27.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
688.4	0°	688.4	688.4	688.4	688.4	688.4	688.4	688.4	688.4	688.4	688.4
688.8	2.5°	689.1	691.4	693.0	695.0	696.3	698.2	702.1	704.4	704.7	706.4
694.0	5°	695.3	698.5	702.1	707.4	713.2	718.1	725.6	730.8	732.8	734.4
706.7	7.5°	708.7	713.2	719.7	728.9	737.4	743.9	753.0	759.2	765.4	767.7
726.9	10°	728.6	735.1	744.5	756.9	766.1	774.5	784.0	789.2	795.4	798.0
751.1	12.5°	753.3	760.2	772.6	789.9	798.3	804.2	807.5	806.2	807.5	809.8
780.1	15°	781.7	789.2	803.2	821.8	827.7	822.5	815.3	808.8	807.8	808.5
815.3	17.5°	815.3	820.8	837.1	852.8	848.6	827.0	811.4	800.9	795.7	794.1
860.3	20°	862.3	862.3	875.6	885.4	857.0	820.5	796.1	779.1	768.3	763.8
921.6	22.5°	919.3	914.1	922.6	915.7	855.4	802.3	768.3	739.0	722.7	716.2
1007.4	25°	991.7	985.5	983.3	940.9	843.7	773.2	718.1	682.6	668.2	664.6
1131.0	27.5°	1101.0	1085.3	1055.6	954.6	822.1	727.6	659.4	626.5	618.3	618.6
1289.8	30°	1246.4	1215.1	1142.4	956.8	786.9	663.0	599.4	575.9	572.0	573.6
1423.2	32.5°	1381.1	1351.4	1231.1	946.4	732.8	599.7	545.6	529.9	524.1	526.0
1524.9	35°	1486.8	1478.6	1313.3	931.7	666.3	540.4	497.3	484.0	472.5	469.9
1620.8	37.5°	1586.6	1583.3	1374.9	911.2	600.4	498.3	458.5	440.9	424.3	415.2
1726.8	40°	1696.1	1692.9	1415.4	879.5	542.0	461.8	423.6	400.5	379.9	363.3
1846.8	42.5°	1819.4	1800.2	1434.6	834.2	492.4	430.8	395.3	363.9	336.9	321.6
1982.5	45°	1954.1	1910.7	1434.3	776.5	450.7	402.4	364.9	320.6	295.5	281.1
2121.7	47.5°	2096.9	2016.4	1416.7	712.6	410.3	371.1	318.0	284.1	267.4	258.6
2273.1	50°	2244.4	2115.2	1386.7	639.2	368.8	335.6	288.6	265.5	252.7	244.6
2423.1	52.5°	2383.0	2204.9	1350.5	556.0	326.8	301.0	275.6	257.6	244.3	235.1
2568.5	55°	2511.8	2282.2	1299.3	470.9	292.5	277.9	269.4	254.4	239.0	228.3
2716.2	57.5°	2626.2	2332.4	1210.9	391.0	268.1	261.9	262.9	248.8	231.2	222.1
2861.7	60°	2721.5	2369.3	1080.1	317.0	248.2	246.2	252.7	238.4	217.8	207.4
2984.6	62.5°	2778.5	2368.6	919.7	259.6	231.2	231.9	239.4	225.3	204.5	194.7
3048.9	65°	2773.6	2310.6	743.6	222.1	214.9	215.6	225.3	211.0	193.4	187.5
3016.6	67.5°	2675.5	2169.0	570.4	197.6	197.0	199.9	211.3	201.2	186.5	185.9
2824.2	70°	2409.7	1875.2	410.9	178.1	178.4	182.6	197.6	195.0	183.0	184.3
2374.5	72.5°	1932.3	1429.7	275.9	157.5	157.8	164.7	184.6	190.1	179.4	196.7
1684.7	75°	1286.9	891.6	177.4	135.7	136.0	144.8	173.2	180.7	169.6	196.0
876.6	77.5°	618.3	400.8	128.5	114.1	114.1	122.3	149.7	161.8	144.5	152.3
281.8	80°	213.6	150.7	101.1	92.0	90.0	95.6	126.2	140.2	124.6	114.8
92.0	82.5°	84.1	78.3	81.2	71.4	64.9	68.5	98.2	115.8	91.6	82.8
51.9	85°	48.3	50.9	57.4	47.3	37.5	42.1	72.1	83.2	69.1	61.0
17.0	87.5°	13.0	17.9	26.4	24.5	17.0	17.9	34.2	46.0	39.8	30.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END O

<u>180°</u>
688.4
706.0
734.1
768.0
799.3
810.4
810.7
796.4
762.8
715.2
665.3
619.6
579.2
528.6
471.9
415.5
364.9
322.5
280.5
256.7
241.7
231.2
224.0
216.2
202.8
191.8
187.2
186.9
183.9
199.3
197.6
139.6
107.6
82.5
62.3
31.6
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